

Notice of Allowability

Application No.

09/863,509

Examiner

Michael Y. Won

Applicant(s)

POWERS, MANNY

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2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed December 27, 2005.
2. ☒ The allowed claim(s) is/are 1-5 and 9-23 (re-number 1-20).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


SALEH NAJJAR

SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with David L. Ciesielski (Reg. No. 57,432) on March 14, 2006.

3. The application has been amended as follows:

6. (Currently Cancelled)

7. (Currently Cancelled)

8. (Currently Cancelled)

16. (Currently Amended) A computer [program fro processing commands comprising] readable medium having stored thereon instructions for causing a processing unit to:

[first code for receiving] receive a first software image comprising a first command line interface server and a first version of software for a board type, and storing the first command line interface server in a memory and downloading the first version of software to a first set of one or more boards of the board type, wherein the first command line interface server processes commands addressed to the first set of boards of the board type programmed with the first version of software;

[second code for receiving] receive a second software image comprising a second command line interface server and a second version of software for a board type, and storing the second command line interface server in a memory and downloading the second version of software to a second set of one or more boards of the board type, wherein the second command line interface server processes commands addressed to the second set of boards of the board type programmed with the second version of software, wherein the memory concurrently stores the first command line interface server and the second command line interface server;

[third code for routing] route a first command, received at a master session process, to the first command line interface server, and [for routing] route a second command, received at the master session process, to the second command line interface server, the first command being addressed to the first set of boards of the board type programmed with the first version of software, and the second command

being addressed to the second set of boards of the board type programmed with the second version of software; and

[fourth code for processing] process the first command using the first command line interface server and the second command using the second command line interface server, wherein (i) processing the first command includes routing the first command to the first set of boards of the board type programmed with the first version of software, and (ii) processing the second command includes routing the second command to the second set of boards of the board type programmed with the second version of software.

18. (Currently Amended) A method of processing commands comprising:
receiving a first software image comprising a first command line interface server and a first version of software for a board type, and storing the first command line interface server in a memory and downloading the first version of software to a first set of one or more boards of the board type, wherein the first command line interface server processes commands addressed to the [second] first set of boards of the board type programmed with the first version of software;

receiving a second software image comprising a second command line interface server and a second version of software for a board type, and storing the second command line interface server in a memory and downloading the second version of software to a second set of one or more boards of the board type, wherein the second

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command line interface server processes commands addressed to the second set of boards of the board type programmed with the second version of software;

processing a first command using the first command line interface server and a second command using the second command line interface server, the first command addressed to the first set of boards of the board type programmed with the first version of software, and the second command addressed to the second set of boards of the board type programmed with the second version of software; and

receiving, at the first command line interface server, a response from each of the boards of the first type having the first software version, and responsively forwarding each response to a master command line interface server, wherein the master command line interface server responsively sends a user response,

wherein (i) processing the first command involves routing the first command to the first set of boards of the board type programmed with the first version of software, (ii) processing the second command involves routing the second command to the second set of boards of the board type programmed with the second version of software, and (iii) the memory concurrently stores the first command line interface server and the second command line interface server.

Allowable Subject Matter

4. The following is an examiner's statement of reasons for allowance:

Prior art of record does not disclose teach or suggest receiving a first software image comprising a first command line interface server and a first version of software for a board type, and storing the first command line interface server in a memory and downloading the first version of software to a first set of one or more boards of the board type, wherein the first command line interface server processes commands addressed to the first set of boards of the board type programmed with the first version of software; receiving a second software image comprising a second command line interface server and a second version of software for a board type, and storing the second command line interface server in a memory and downloading the second version of software to a second set of one or more boards of the board type, wherein the second command line interface server processes commands addressed to the second set of boards of the board type programmed with the second version of software as recited in independent claims 1, 9, 14, 17, and 18.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Y. Won whose telephone number is 571-272-3993. The examiner can normally be reached on M-Th: 7AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Won



March 8, 2006



SALEH NAJJAR
SUPERVISORY PATENT EXAMINER